

IN THE CLAIMS

1. (Currently amended) A digital content distributing system having a digital content distributing apparatus for distributing a digital content and an information processing apparatus for outputting a digital content distributed from the digital content distributing apparatus, wherein:

said digital content distributing apparatus comprises[[:]]

a storage device storing a digital content[[:]] ,

an encryption processing device for performing an encryption process on a part of the digital content by using encryption key information shared with said information processing apparatus[[:]] , and

a distributing device for distributing the partly encrypted digital content to said information processing apparatus, and

said information processing apparatus comprises[[:]]

an input device for inputting a digital content distributed from said digital content distributing apparatus[[:]] ,

a decryption processing device for performing a decryption process on the encrypted part of the inputted digital content by using the encryption key information shared with said digital content distributing apparatus[[:]] , and

U.S. Serial No. 09/987,817

TSM-16

an output device for outputting the digital content
~~decrypted from the encrypted part,~~

wherein said encryption processing device of said digital
content distributing apparatus ~~performs an encryption process,~~
~~with a formatting unit of the digital content in plaintext~~
~~taken as one unit, on a part of the units as a subject of~~
~~encryption processing~~ encrypts a part of a formatted data unit
of the digital content so that said information processing
apparatus displays the digital content contaminated in a
spotted or striped manner on said output device without
decryption.

2. (Currently amended) A digital content distributing
system having a digital content distributing apparatus for
distributing a digital content and an information processing
apparatus for outputting a digital content distributed from
the digital content distributing apparatus, wherein:

said digital content distributing apparatus
comprises[[:]]

a storage device storing a digital content partly
encrypted by using encryption key information shared with said
information processing apparatus[[:]]₁ and

a distributing device for distributing the stored digital
content to said information processing apparatus[[:]]₂ and

U.S. Serial No. 09/987,817

TSM-16

said information processing apparatus comprises[[:]]
an input device for inputting a digital content
distributed from said digital content distributing
apparatus[[:]]₁
a decryption processing device for performing a
decryption process on an encrypted part of the inputted
digital content by using the encryption key information shared
with said digital content distributing apparatus[[:]]₁ and
an output device for outputting the digital content
~~decrypted from the encrypted part,~~
wherein a part of formatted data unit of the digital
content stored by said storage device of said digital content
distributing apparatus is encrypted, with a formatting unit of
the digital content in plaintext taken as one unit, on a part
of the units as a subject of encryption so that the
information processing apparatus displays the digital content
contaminated in a spotted or striped manner on said output
device without decryption.

3. (Currently amended) A method for distributing a
digital content from a digital content distributing apparatus
to an information processing apparatus, in a digital content
distributing system having the digital content distributing
apparatus for distributing the digital content and the

U.S. Serial No. 09/987,817

TSM-16

information processing apparatus for outputting the digital content distributed from the digital content distributing apparatus, said method comprising the steps of:

distributing, by said digital content distributing apparatus, a partly encrypted digital content which is encrypted by using encryption key information shared with said information processing apparatus, to said information processing apparatus; and

performing a decryption process using the encryption key information on an encrypted part of the digital content distributed from said digital content distributing apparatus by said information processing device;

wherein a part of formatted data unit of the digital content distributed by said digital content distributing apparatus is encrypted, with a formatting unit of the digital content in plaintext taken as one unit, on a part of the units as a subject of encryption so that the information processing apparatus displays the digital content contaminated in a spotted or striped manner on an output device of said information processing without a decryption.

4. (Currently amended) A method for distributing a digital content distributing method according to claim 3, wherein, ~~in the case that~~ when the digital content ~~is~~

U.S. Serial No. 09/987,817

TSM-16

~~plaintext~~ is JPEG data formatted by a JPEG (Joint Photographic Experts Group) scheme, ~~the JPEG data is encrypted, with a the~~
part of formatted data unit means some compression unit
[[block]] blocks, each block comprising 8 pixels x 8 pixels as
~~one unit, on a part of compression unit blocks.~~

5. (Currently amended) A method for distributing a
digital content ~~distributing method~~ according to claim 3,
wherein, ~~in the case that~~ when the digital content ~~is~~
~~plaintext~~ is JPEG data formatted by a JPEG (Joint Photographic Experts Group) scheme, ~~the JPEG data is encrypted, with a the~~
part of formatted data unit means either higher frequency
region or lower frequency region in one or more compression
unit [[block]] blocks, each block comprising 8 pixels x 8
pixels taken as one unit, in a part of or the entire of
~~compression unit blocks, on a high frequency region or a low~~
~~frequency region within each block.~~

6. (Currently amended) A method for distributing a
digital content ~~distributing method~~ according to claim 3,
wherein, ~~in the case that~~ when the digital content ~~is~~
~~plaintext~~ is MPEG data formatted by a MPEG (Moving Picture Experts Group) scheme, the part of formatted data unit means
one or more frames in the MPEG data is encrypted, with one

U.S. Serial No. 09/987,817

TSM-16

~~frame taken as one unit, on a part of or the entire of one~~
group selected from a group of frames compressed with using
correlation between the frames and a group of frames
compressed without using correlation between the frames.

7. (Currently amended) A method for distributing a
digital content ~~distributing method~~ according to claim 3,
wherein, ~~in the case that~~ when the digital content ~~in~~
~~plaintext~~ is sound data sampled ~~based on~~ by respective
frequency component ranges and individually encoded to
respective units, the part of formatted data unit means the
~~sound data is encrypted, with an encoded unit sample taken as~~
~~one unit, with respect to a high~~ higher frequency component
~~sample unit or [[low]] lower frequency component sample unit~~
for the whole sound data.

8. (Currently amended) A digital content distributing
apparatus comprising:

a storage device storing a digital content;

an encryption processing device for performing an
encryption process on a part of the digital content by using
encryption key information shared with an information
processing apparatus which is to be a destination of
distribution of the digital content; and

a distributing device for distributing the partly encrypted digital content to said information processing apparatus;

wherein said encryption processing device ~~performs an encryption process, with a formatting unit of the digital content in plaintext taken as one unit, on a part of the units~~ as a subject of encryption processing encrypts a part of formatted data unit of the digital content so that said information processing apparatus displays the digital content contaminated in a spotted or striped manner on an output device of said information processing apparatus without a decryption.

9. (Currently amended) A digital content distributing apparatus comprising:

a storage device storing a digital content partly encrypted by using encryption key information shared with an information processing apparatus which is to be a destination of distribution; and

a distributing device for distributing the stored digital content to said information processing apparatus;

wherein a part of formatted data unit of the digital content stored by said storage device is encrypted, ~~with a formatting unit of the digital content in plaintext taken as~~

U.S. Serial No. 09/987,817

TSM-16

~~one unit, on a part of the units as a subject of encryption so~~
that said information processing apparatus displays the
digital content contaminated in a spotted or striped manner on
an output device of said information processing apparatus
without a decryption.

10. (Currently amended) A digital content distributing apparatus according to claim 8, wherein, ~~in the case that when~~ the digital content ~~in plaintext~~ is JPEG data formatted by a JPEG (Joint Photographic Experts Group) scheme, ~~the JPEG data is encrypted, with a~~ the part of formatted data unit means some compression unit block comprising blocks, each block comprises 8 pixels × 8 pixels taken as one unit, on a part of blocks.

11. (Currently amended) A digital content distributing apparatus according to claim 9, wherein, ~~in the case that when~~ the digital content ~~in plaintext~~ is JPEG data formatted by a JPEG (Joint Photographic Experts Group) scheme, ~~the JPEG data is encrypted, with a~~ the part of formatted data unit means some compression unit block comprising blocks, each block comprises 8 pixels × 8 pixels taken as one unit, on a part of blocks.

12. (Currently amended) ~~A digital content distributing method according to claim 8 for distributing a digital content from a digital content distributing apparatus,~~

wherein, said digital content distributing apparatus comprises a storage device storing a digital content, an encryption processing device for performing an encryption process on a part of the digital content by using encryption key information shared with an information processing apparatus which is to be a destination of distribution of the digital content, and a distributing device for distributing the partly encrypted digital content to said information processing apparatus,

the method comprising the steps of:

said encryption processing device encrypting a part of formatted data unit of the digital content so that said information processing apparatus displays the digital content contaminated in a spotted or striped manner on an output device of said information processing apparatus without decryption,

wherein in the case that the part of formatted data unit of the digital content in plaintext is JPEG data formatted by a JPEG (Joint Photographic Experts Group) scheme, the JPEG data upon encryption is encrypted, with a and the part of formatted data unit means either higher frequency region or

U.S. Serial No. 09/987,817

TSM-16

lower frequency region in one or more compression unit

~~[[block]] blocks taken as one unit, in a part of or the entire of blocks, on a high frequency region or low frequency region within each block.~~

13. (Currently amended) A digital content distributing method ~~according to claim 9~~ for distributing a digital content from a distributing apparatus, wherein, said distributing apparatus comprises a storage device storing a digital content partly encrypted by using encryption key information shared with an information processing apparatus which is to be a destination of distribution, and a distributing device for distributing the stored digital content to said information processing apparatus,

the method comprising the step of:

a part of formatted data unit of the digital content stored by said storage device being encrypted a part of formatted data unit of the digital content stored by said storage device so that said information processing apparatus displays the digital content contaminated in a spotted or striped manner on an output device of said information processing apparatus without decryption,

wherein in the case that the part of formatted data unit of the digital content in plaintext is JPEG data formatted by

U.S. Serial No. 09/987,817

TSM-16

a JPEG (Joint Photographic Experts Group) scheme, ~~the JPEG data upon encryption is encrypted, with a~~ and the part of formatted data unit means either higher frequency region or lower frequency region in one or more compression unit ~~[[block]] blocks taken as one unit, in a part of or the entire of blocks, on a high frequency region or low frequency region within each block.~~

14. (Currently amended) A digital content distributing method ~~according to claim 8~~ for distributing a digital content from a digital content distributing apparatus,

wherein, said digital content distributing apparatus comprises a storage device storing a digital content, an encryption processing device for performing an encryption process on a part of the digital content by using encryption key information shared with an information processing apparatus which is to be a destination of distribution of the digital content, and a distributing content to said information processing apparatus, the method comprising the step of:

said encryption processing device encrypting a part of formatted data unit of the digital content so that said information processing apparatus displays the digital content contaminated in a spotted or striped manner on an output

U.S. Serial No. 09/987,817

TSM-16

device of said information processing apparatus without decryption,

wherein in the case that the part of formatted data unit
of the digital content in plaintext is MPEG data formatted by
a MPEG (Moving Picture Experts Group) scheme, and the part of
formatted data unit means one or more frames in the MPEG data
is encrypted, with one frame taken as one unit, on a part of
or the entire of one group selected from a group of frames
compressed without with using correlation between the frames
and a group of frames compressed [[with]] without using
correlation between the frames.

15. (Currently amended) A digital content distributing
method ~~according to claim 9~~ for distributing a digital content
from a digital content distributing apparatus,

wherein, in the case that the digital content in
plaintext is MPEG data formatted by a MPEG (Moving Picture
Experts Group) scheme, the MPEG data is encrypted, with one
frame taken as one unit, on a part of or the entire of one
group selected from a group of frames compressed without using
correlation between the frames and a group of frames
compressed with using correlation between the frames said
digital content distributing apparatus having a storage device
storing a digital content partly encrypted by using encryption

U.S. Serial No. 09/987,817

TSM-16

key information shared with an information processing apparatus which is to be a destination of distribution, and a distributing device for distributing the stored digital content to said information processing apparatus,

the method comprising the step of:

a part of formatted data unit of the digital content stored by said storage device being encrypted so that said information processing apparatus displays the digital content contaminated in a spotted or striped manner on an output device of said information processing apparatus without decryption,

wherein in the case that the part of formatted data unit of the digital content in plaintext is MPEG data formatted by a MPEG (Moving Picture Experts Group) scheme, and the part of formatted data unit means one or more frames in the MPEG data is encrypted, with one frame taken as one unit, on a part of or the entire of one group selected from a group of frames compressed without with using correlation between the frames and a group of frames compressed [[with]] without using correlation between the frames.

16. (Currently amended) An information processing apparatus for outputting a digital content distributed from the digital content distributing apparatus according to claim

U.S. Serial No. 09/987,817

TSM-16

8, said information processing apparatus comprising:

an input device for inputting a digital content distributed from said digital content distributing apparatus;

a decryption processing device for performing a decryption process on an encrypted part of the inputted digital content by using the encryption key information shared with said digital content distributing apparatus; and

an output device for outputting the digital content decrypted from the encrypted part.

17. (Currently amended) An information processing apparatus for outputting a digital content distributed from the digital content distributing apparatus according to claim 9, said information processing apparatus comprising:

an input device for inputting a digital content distributed from said digital content distributing apparatus;

a decryption processing device for performing a decryption process on an encrypted part of the inputted digital content by using the encryption key information shared with said digital content distributing apparatus; and

an output device for outputting the digital content decrypted from the encrypted part.

18. (Currently amended) A recording medium having

U.S. Serial No. 09/987,817

TSM-16

recorded therein a digital content, ~~wherein a part of~~
~~formatted data unit of the digital content is encrypted, with~~
~~a formatting unit of the digital content in plaintext taken as~~
~~one unit, on a part of the units as a subject of encryption so~~
as to display the digital content contaminated in a spotted or
striped manner without a decryption.

19. (Currently amended) A recording medium according to
claim 18, having recorded therein a digital content, wherein,
~~in the case that when the digital content in plaintext is JPEG~~
data formatted by a JPEG (Joint Photographic Experts Group)
scheme, ~~the JPEG data is encrypted, with a~~ the part of
formatted data unit means some compression unit ~~[[block]]~~
blocks comprising 8 pixels x 8 pixels ~~taken as one unit, on a~~
~~part of blocks.~~

20. (Currently amended) A recording medium according to
claim 18, having recorded therein a digital content, wherein,
~~in the case that the when the digital content in plaintext is~~
JPEG data formatted by a JPEG (Joint Photographic Experts
Group) scheme, ~~the JPEG data is encrypted, with a~~ the part of
formatted data unit means either higher frequency region or
lower frequency region in one or more compression unit ~~block~~
~~comprising~~ blocks, each block comprises 8 pixels x 8 pixels

U.S. Serial No. 09/987,817

TSM-16

~~taken as one unit, in a part of or the entire of blocks, on a high frequency region or low frequency region within each block.~~

21. (Currently amended) A recording medium according to claim 18, having recorded therein a digital content, wherein, ~~in the case that~~ when the digital content ~~in plaintext~~ is MPEG data formatted by a MPEG (Moving Picture Experts Group) scheme, the part of formatted data unit means one or more frames in the MPEG data is encrypted, with one frame taken as one unit, on a part of or the entire of one group selected from a group of frames compressed without using correlation between the frames and a group of frames compressed with using correlation between the frames.